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THE

# THIRTY-FOURTH ANNUAL REPORT

OF THE

BOARD OF DIRECTORS

OF THE

ZOOLOGICAL SOCIETY

OF PHILADELPHIA.

(INCORPORATED MARCH 21ST, 1859.)

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READ AT THE ANNUAL MEETING OF THE MEMBERS AND LOAN-  
HOLDERS OF THE SOCIETY.

APRIL 26th, 1906.

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PHILADELPHIA:

PRESS OF ALLEN, LANE & SCOTT,  
1211-1213 Clover Street.

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**BOARD OF DIRECTORS:**

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**GENERAL MANAGER.**

ARTHUR ERWIN BROWN,

**SUPERINTENDENT OF THE GARDENS.**

ROBERT D. CARSON.



# REPORT

## OF THE

# BOARD OF DIRECTORS.

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PHILADELPHIA, April 26th, 1906.

The Board of Directors of the Zoological Society of Philadelphia presents to the members and loanholders its thirty-fourth annual report, for the year ending February 28th, 1906.

### GENERAL AFFAIRS AND FINANCES.

The number of members at the close of the year was:—

Annual members.....	220
Life members.....	1,291
Corresponding members.....	6
Honorary members.....	15
Perpetual members.....	250
Junior members.....	69
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Total members.....	1,851

The following is a report in detail of the admissions and receipts for the year:—

Adults (paying at gates).....	154,901
Children (paying at gates).....	44,892
Members (including life and annual members, loanholders' annual, and complimentary annual tickets)	1,434
Loanholders' single tickets.....	13,936
Free admissions (charitable institutions, donors' tickets, &c.)*.....	3,789
Coupon tickets.....	350
Excursion tickets.....	2,956
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	222,258

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\* In addition to these, 125,000 tickets were issued to the Board of Education, for the admission of pupils of the Public Schools.

*Monthly Record of Receipts from Admissions for 1905-1906  
with corresponding account for 1904-1905.*

MONTH	1904-1905	1905-1906	COMPARISON
March.....	\$1,351 85	\$1,491 75	Increase.... \$139 90
April.....	2,338 15	3,214 60	" ..... 876 45
May.....	5,162 60	3,493 40	Decrease.... 1,669 20
June.....	2,678 00	2,629 05	" ..... 48 95
July.....	3,555 25	3,605 40	Increase.... 50 15
August....	4,806 00	5,162 65	" ..... 356 65
September..	4,015 50	4,691 15	" ..... 675 65
October....	2,858 85	3,255 15	" ..... 396 30
November..	1,430 10	1,706 70	" ..... 276 60
December..	556 85	1,182 60	" ..... 625 75
January....	883 70	932 20	" ..... 48 50
February...	564 70	888 65	" ..... 323 95
	\$30,201 55	\$32,253 30	Increase .... \$2,051 75

Some increase is to be noted in the income from admissions; this was, however, more than offset by expenditures for extensive repairs to some of the older buildings at the Gardens, which were so thoroughly executed during the summer, that no great outlay for such purpose is anticipated during the coming year.

The continued interest and benefit derived by the children of the Public Schools from visiting the Gardens under guidance of their teachers, is most gratifying. It is an obvious duty that all means for their instruction growing out of the facilities of the Gardens should be fully developed, and with this object a plan is under consideration for holding a course of lectures on zoological subjects, at the Gardens, during the season when it is most visited by the children. These would be especially useful to the older grades of pupils as well as to the teachers, and it can hardly be doubted that such a course would be welcomed by both.

Some expense would be incurred in carrying out this scheme in a worthy manner—more than would be justified

in the closely balanced state of the Society's present finances—but if the means can be provided, the chief obstacle to its fulfillment will be removed.

The death of two members, of exceptionally long service in the Board, has occurred since the last report; General I. J. Wistar, who was elected September 25th, 1873, and J. Vaughan Merrick, Esq., who became a member at the reorganization of the society, March 14th, 1872. Each of these gentlemen bore a conspicuous part in the laborious work of establishing the Gardens, and the value of their efforts should meet with lasting recognition.

### GARDENS AND MENAGERIE.

The whole number of animals on exhibition during the year was:—

Mammals.....	571
Birds.....	868
Reptiles.....	813
Batrachians.....	145
	<hr/>
	2,397

Of the accessions the following were new to the collection:—

### MAMMALS.

1. *Semnopithecus johnei* Fisch. Nilgiri Monkey.  
Hab., southern India.  
One specimen of this fine langur monkey. Purchased May 9th.
2. *Papio langheldi* Matschie. Langheld's Baboon.  
Hab., eastern Africa.  
This species seems to be well distinguished from the yellow baboon, both by color and by the great length of its arms and legs. It is rare in collections, and as far as is yet known, comes from the region between the Victoria Nyanza and the coast. A male was purchased on March 9th.



3. *Paradoxurus grayi* Benn. Gray's Paradoxure.  
Hab., India; Assam.  
One specimen. Purchased June 9th.
4. *Mustela foina* Erxl. Beech Martin.  
Hab., Europe.  
This species ranges from central Europe to Persia.  
One specimen. Purchased September 21st.
5. *Putorius frenatus* Licht. Bridled Weasel.  
Hab., Mexico; southern Texas.  
A subtropical species, of which an example was received in August from Brownsville, Texas.
6. *Hemitragus jemlaicus* H. Smith. Himalayan Tahr  
Hab., northern India.  
The three species of tahr differ from other goats chiefly in the absence of a beard. This species, of which a pair was purchased on March 9th, inhabits forested portions of the Himalayas. The male when adult has a conspicuous, mane-like mass of hair covering the fore-quarters.
7. *Macropus antilopinus* Gould. Antilopine Kangaroo.  
Hab., northern Australia.  
The Society was fortunate enough to secure in March a male of this large and fine species, which has probably never before been brought to this country.
8. *Onychogale frenata* Gould. Bridled Wallaby.  
Hab., eastern Australia.  
Together with the last-named species, a pair of this beautiful little kangaroo was purchased. On account of their size they were placed in the Small Mammal House, where they have since bred.

## BIRDS.

9. *Parus varius* Tem. and Sch. Red-sided Titmouse.  
Hab., Japan.  
Two specimens. Purchased November 29th.
10. *Mesia argentauris* Hodg. Silver-eared Liothrix.  
Hab., eastern Himalayas.  
One specimen. Purchased April 12th.

11. *Spindalis pretrii* Less. Pretre's Tanager.  
     Hab., Cuba.  
     Two specimens. Purchased November 30th.
12. *Pytelia phænicoptera* Swain. Crimson-winged Waxbill.  
     Hab., Africa.  
     Two specimens. Purchased July 12th.
13. *Estrilda temporalis* Lath. Australian Waxbill.  
     Hab., Australia.  
     Four specimens. Purchased November 27th.
14. *Lagonosticta vinacea* Hartl. Vinaceous Fire-finch.  
     Hab., Senegal.  
     One specimen. Purchased April 14th.
15. *Carpodacus mexicanus frontalis* Say. House Finch.  
     Hab., southwest United States and Mexico.  
     Two specimens. Purchased April 24th.
16. *Emberiza stracheyi* Moore. Strachey's Bunting.  
     Hab., Himalayas.  
     Two specimens. Purchased April 24th.
17. *Junco oregonus* Towns. Pacific Snowbird.  
     Hab., Alaska to California.  
     One specimen. Purchased April 24th.
18. *Agelaius assimilis* Gund. Cuban Red-wing.  
     Hab., Cuba.  
     Two examples of the Cuban form of red-winged black-bird were received by purchase in January.
19. *Ampeliceps coronatus* Blyth. Yellow-headed Mynah.  
     Hab., Burma to Cochin China.  
     A pair of these birds was added to the extensive series of mynahs in the Aviary by purchase in April.
20. *Mainatus javanensis* Osbeck. Javan Mynah.  
     Hab., Malacca; Java; Borneo.  
     An example of this species was secured at the same time as the one last named.
21. *Urocissa occipitalis* Blyth. Occipital Blue Pie.  
     Hab., Himalayas.  
     One specimen. Purchased April 13th.
22. *Chrysotis panamensis* Cab. Panama Amazon.  
     Hab., Panama; Colombia.  
     An amazon parrot purchased in January, 1905, in bad

plumage, has since been identified as belonging to this species.

23. *Chrysotis dufresniana* Shaw. Dufresne's Amazon.  
Hab., Guiana.

One specimen. Purchased August 15th.

24. *Tanygnathus everetti* Tweed. Everett's Parrakeet.  
Hab., Philippines.

Two specimens. Purchased April 19th.

25. *Buteo albicaudatus* Vieill. White-tailed Buzzard.  
Hab., Texas to Brazil.

Several specimens of this fine hawk were received from Brownsville, Texas, in July. They were accompanied by four Harris' buzzards (*B. unicinctus*).

26. *Goura victoriae* Frazer. Victoria Crowned Pigeon.  
Hab., New Guinea.

A fortunate chance brought about the addition of this species to the collection on May 8th, since which time three species of these splendid pigeons have been on exhibition in adjoining cages.

27. *Ardea rufa* Bodd. Reddish Egret.  
Hab., southern United States to Central America.  
Two specimens from Brownsville, Texas. Purchased July 31st.

28. *Merganser americanus* Cass. American Merganser.  
Hab., North America.

One example was presented on January 26th by Mr. D. W. Herbert, of Philadelphia.

29. *Rhynchotus rufescens* Temm. Rufous-breasted Tinamou.

Hab., Brazil; Argentina.

A collection from Para, presented by Mr. Harry Nuding, a member of the Society, contained one tinamou of this species, being the first bird of this peculiar order which has been in the collection in recent years.

## REPTILES.

30. *Ameiva thoracica* Cope. Black-throated Lizard.  
Hab., Bahamas.

Four specimens. Purchased July 27th.

31. *Lacerta muralis caerulea* Eimer. Blue Wall Lizard.

Hab., Faraglione Rock.

Among a number of lizards received June 1st from the Mediterranean region was one example of this beautiful variety of the wall lizard, which appears to be found only upon a rocky islet near Capri.

32. *Eutænia elegans vagrans* B. & G. Wandering Garter Snake.

Hab., western United States.

One specimen of this garter snake, which is the common species of the Rocky Mountains, was presented by Mr. R. L. Ditmars, of the New York Zoological Society, on May 18th.

33. *Eutænia elegans atrata* Kenn. Santa Cruz Garter Snake.

Hab., Santa Cruz County, California.

Several examples from Felton, Santa Cruz County, received during the summer, have served to establish the correct relations of this color form\*, which is identical with *E. infernalis vidua* Cope. Its range appears to be restricted to the coast region immediately south of San Francisco.

34. *Helicops schistosus* Daud. Yellow-bellied Snake.

Hab., India; Malacca.

Three specimens. Purchased May 12th.

## BATRACHIANS.

35. *Bufo marinus* L. Giant Toad.

Hab., tropical America; West Indies.

Two examples were received in May, in exchange from the New York Zoological Society.

36. *Spea bombifrons* Cope. Cope's Spade-foot Toad.

Hab., western United States.

One specimen received on May 29th, from Seymour, Texas.

Among other accessions of interest was a fine pair of tigers one year old, which reached the Gardens in March, from India.

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\* Proc. Acad. Nat. Sciences of Philadelphia, 1905, p. 692.



A pair of black and white geese and a brush-turkey (*Cathartus lathamii*), from Australia, with a pair of secretary vultures, were received in May. None of these had been represented in the collection for many years.

A pair of dingos, or Australian wild dogs, were received on May 15th from the National Zoological Park, in exchange

On May 18th a contribution of reptiles was received from the New York Zoological Society, and in June seven Butler's garter snakes from Sandusky, Ohio, were received from the same source.

A collection from the Amazon, presented by Mr. Harry Nuding, arrived on June 6th; included was a female Brazilian ocelot and several species of toucan. The same gentleman forwarded in August a second collection, chiefly of birds, and on September 21st a fine young male tapir, captured near Santarem, Brazil.

Two star-nosed moles were presented on June 7th by Mr. Robert L. Campbell. It is to be regretted that by no amount of care does it seem that these interesting animals can be induced to live in captivity.

On July 15th an American bison bull two years old was obtained in exchange from the New York Zoological Society, and has been placed with a young cow bred in the Gardens, in an enclosure formerly occupied by elk, at the northern end of the Gardens.

In August two brown bear cubs from Admiralty Island, Alaska, were purchased. These animals are still too young for exact determination of the species, but without doubt they belong to some form of the large brown bears inhabiting that region. The species found in this island has been named *Ursus eulophus* Merriam, but is only doubtfully distinct from *U. dalli* of the same author.

A male and female Dorcas gazelle reached the Gardens on September 6th, from Egypt, as a gift from Dr. Henry C. Chapman.

In February a young eyra cat and several snakes from Tamaulipas, Mexico, were presented by Mr. James Spear, Jr.

Births occurred in the collection as follows:—

7 dingos (*Canis dingo*), February 13th.



- 6 gray wolves (*C. mexicanus*), March 31st, April 4th.
- 7 coyotes (*C. latrans*), April 24th, May 21st.
- 3 raccoon-like dogs (*C. procyonoides*), June 22d.
- 7 prairie dogs (*Cynomys ludovicianus*), May.
- 1 gray wood rat (*Neotoma micropus*), March 11th.
- 9 common rabbits (*Lepus cuniculus*), August 7th, September 2nd.
- 1 Brazilian tapir (*Tapirus terrestris*), ♂, July 27th.
- 4 Indian antelopes (*A. cervicapra*), 1♂, 3♀, May 8th, August 14th, December 23d, February 23d.
- 1 Dorcas gazelle (*Gazella dorcas*), ♀, February 6th.
- 1 white-tailed gnu (*Connochoetes gnu*), ♂, June 22d.
- 1 red deer (*Cervus elaphus*), ♀, May 26th.
- 4 American elk (*C. canadensis*), 3♂, 1♀, May 18th, June 19th, September 1st, and 8th.
- 2 fallow deer (*C. dama*), ♂, June 6th, and 10th.
- 3 hog deer (*C. porcinus*), 2♂, 1♀, March 19th, December 18th and 19th.
- 1 Japanese deer (*C. sika*), ♀, June 19th.
- 1 Virginia deer (*Mazama virginiana*), ♂, June 10th.
- 1 llama (*Lama glama*), ♂, March 7th.
- 1 bridled wallaby (*Onychogale frenata*), April 11th.
- 1 wild turkey (*Meleagris gallopavo*), June 12th.
- 4 silver pheasants (*Gennaeus nycthemerus*), April 30th.
- 4 mallard ducks (*Anas boschas*), May 11th, July 26th.
- 5 black ducks (*A. obscura*), August 2d.
- 2 summer ducks (*Aix sponsa*), June 7th.
- 6 red-headed ducks (*Fuligula americana*), July 18th.
- 8 common garter snakes (*Eutænia sirtalis*), July 8th.
- 33 Marcy's garter snakes (*E. marciana*), July 23d, (21); December 9th (12).
- 11 Say's rattlesnakes (*Crotalus confluentus*), August 31st.
- 9 ground rattlesnakes (*Sistrurus miliarius*), August 9th.

The birth of the raccoon-like dogs is of some interest, as the species is not known to have bred often in captivity. On the third day two of the young were killed by the mother, notwithstanding that she is exceptionally gentle. The remaining one, weighing three and three-quarter ounces, was

placed with a litter of domestic kittens, with which it was cared for by the cat until July 3rd, when it died. The mother of the Brazilian tapir, bred on July 27th, was taken near Manicoré, on the Madeira River, and reached the Gardens on November 17th, 1904, from Para, as a gift from Mr. Henry Nuding. The young one at birth weighed seventeen and a quarter pounds, and was thirteen inches in height at the shoulder, with a total length of twenty-six inches, including the tail one inch long.

The work of the Laboratory of Pathology has been conducted with vigor through the year and much of exact value has been learned concerning the nature of the diseases occurring in the collection. As a result, stringent methods have been introduced in the direction of detection of disease and hygiene. Careful examination of animals arriving at the Gardens is made, especially in the case of species liable to communicable diseases. No monkey is now placed upon exhibition unless it has successfully passed the tuberculin test, and it is hoped that by the employment of every practicable measure of prevention within the building, including prohibition of feeding by visitors, the occurrence of tuberculosis in these susceptible animals may be brought under control. A temporary result of the rigid system which has been put in practice, is that the collection in the Monkey House is less complete than is usually the case, chiefly for the reason that just at the time when a considerable supply of monkeys was desired, those offered for sale have been few in number and of inferior quality. Of those procured a considerable number have failed to pass the tests and have not got beyond the quarantine room. Before the season is over it is hoped that this part of the collections will be largely increased.

An appropriation of \$10,000 for permanent improvements, made by the City Councils through the Commissioners of Fairmount Park, afforded the means for making important additions to the enclosures. A brick house for zebras and wild asses was erected at a cost of \$3905. The building measures 48 by 32 feet, and contains six stalls, each with a large outside enclosure.

The old eagle aviary was torn down, leaving only the iron

framework, around which was built a large cage for pumas. The central cage is 33 by 25 feet in area, and 24 feet high. A large mass of rockwork covers retiring dens at the rear. A smaller pen occupies each end of the building. At present the eastern end contains three young pumas, too small to be placed with the full-grown ones in the centre. The western end is occupied by Canada lynx. The cost of construction was \$4135, and the effect of the installation is entirely pleasing.

Three new sets, containing nine cages in all, were added to the series for birds of prey at the southern end of the grounds, and the upper seal pond, as well as the beaver pond, were each surrounded with new iron fences of improved design.

A large amount of repairs was completed during the summer, including the placing of iron skylight frames over the pens in the Antelope House, and the renewal of a considerable part of the roof surrounding them.

The thanks of the Directors are due to those who have favored the Society with gifts.

By order of the Board,

ARTHUR ERWIN BROWN,

*Secretary.*

## INCOME AND EXPENDITURES.

For fiscal year ending February 28th, 1906.

## INCOME.

Members' fees and dues .....	\$905 00	
Admission receipts .....	32,253 30	
Rents at Gardens .....	250 00	
Interest, discount, &c. ....	1,247 82	
Sales of animals .....	700 00	
Sale of guide books .....	208 05	
Goat and donkey rides .....	924 85	
Sundry receipts .....	1,311 47	
Received from the City of Philadelphia through the Commissioners of Fairmount Park .....	17,500 00	
	<hr/>	\$55,300 49

## EXPENDITURES.

(Exclusive of Permanent Improvements, &amp;c.)

Salaries and wages .....	\$20,715 11	
Office expenses .....	339 27	
General expenses .....	29,745 96	
Purchase of animals .....	4,714 55	
	<hr/>	\$55,514 89
Balance to debit of profit and loss .....	214 40	
	<hr/>	\$55,300 49

## CAPITAL.

For fiscal year ending February 28th, 1906.

## RECEIPTS.

Life membership .....	\$50 00	
Received from the City of Philadelphia through the Commissioners of Fairmount Park .....	9,999 39	
	<hr/>	\$10,049 39

## EXPENDITURES.

Cages and enclosures .....	\$930 98	
Pathological laboratory .....	11 00	
Seal ponds .....	297 39	
Asphalt walks .....	821 04	
Puma cage .....	4,135 66	
Zebra house .....	3,905 99	
	<hr/>	\$10,102 06
Balance being excess of expenditures over receipts of capital .....	52 67	
	<hr/>	\$10,049 39

HENRY T. COATES,

*Treasurer.*

Examined and found correct, March 26th, 1906.

STOCKTON BATES,

C. P. A. for Stockton Bates &amp; Son.

# PATHOLOGICAL CONDITIONS NOTED IN 383 AUTOPSIES DURING THE YEAR 1905-1906.

## *Diseases of the Gastro-intestinal Tract.*

Colitis.....	3 monkeys.	2 capybara.
Dilatation of the colon.....	2 capybara.	
Dilatation of the stomach..	1 bird.	
Enteroptosis.....	1 bird.	
Foreign bodies in stomach..	2 bisons.	2 northern sea-lions.
Foreign bodies in intestines.	1 bison.	1 red footed kestrel
Enteritis.....	3 monkeys.	1 lemur.
	1 bear.	1 wallaby.
	1 kinkajou.	1 marmoset.
	1 kangaroo.	1 puma.
	1 anoa.	2 bisons.
	2 grey foxes.	5 American elks.
	1 ichneumon.	1 antelope.
	1 ferret.	1 raccoon-like dog.
	62 birds.	
Impaction of gizzard.....	1 bird.	
Impaction of bone in intestine.....	1 tiger.	1 Prevost's squirrel.
	1 bird.	
Invagination of intestine...	2 gray foxes.	1 Fournier's capromys
Ulcers, Gastric.....	1 bird.	1 wood rat.
	2 kangaroos.	
Ulcers, Intestine.....	3 monkeys.	1 python.
	1 anoa.	1 carpet snake.
Volvulus.....	1 kangaroo.	1 bird.

## *Heart and Blood Vessels.*

Calcification of the papillary muscle of the heart.....	1 bird.	
Myocarditis.....	1 monkey.	2 birds.
Pericarditis.....	2 birds.	
Thickened mitral leaflet...	2 birds.	
Atheroma.....	2 bisons.	
Fibrosis of vessels.....	2 birds.	

## *Hemorrhage.*

External wounds.....	2 beavers.	
Internal air sacs.....	1 bird.	
gizzard.....	1 bird.	
pericardium.....	1 bird.	
peritoneal.....	1 bird.	
pleura.....	1 deer.	1 elk.



Infectious processes.....	4 kangaroos.	2 birds.
	1 ichneumon.	1 iguana.

*Kidney.*

Abscess.....	1 conure.	
Atrophy.....	1 monkey.	
Hypertrophy.....	1 monkey.	
Nephritis (diffuse).....	1 lemur.	1 opossum.
	1 wood rat.	1 desert mouse.
	1 antelope.	3 birds.
Nephritis parenchymatous..	2 monkeys.	1 lemur.
	1 prairie wolf.	1 corsac fox.
	1 kinkajou.	1 common boa.
	12 birds.	

*Liver.*

Abscess.....	1 bird.	
Cirrhosis.....	6 birds.	1 monkey.
	1 antelope.	
Cysts.....	1 wood rat.	
Fatty.....	2 monkeys.	1 lemur.
	1 American elk.	2 birds.
Necrosis (focal).....	7 birds.	1 common boa.
	1 Indian python.	
Distension of gall bladder...	1 bird.	

*Lungs.*

Bronchitis.....	1 kinkajou.	
Collapsed lung.....	1 fallow deer.	
Pneumonia (lobar).....	4 monkeys.	1 common boa.
	2 iguana.	2 birds.
Pneumonia, lobular.....	1 monkey.	1 kinkajou.
	1 anoa.	2 birds.
Septic thrombus of larger veins.....	1 common raccoon	

*Pancreas.*

Fibroid pancreatitis.....	1 bird.
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*Parasites.*

Blood.....	9 birds.	1 monkey.
	1 kangaroo.	
Gizzard.....	13 birds.	
Kidney.....	1 antelope.	1 bird.
Liver.....	6 deer.	1 deer.

Lungs.....	2 monkeys.	1 bison.
	1 Bengalese cat.	1 deer.
	1 bird.	
Pancreas.....	1 Prevost's squirrel.	
Peritoneal cavity.....	1 monkey.	1 kangaroo.
	2 birds.	
Peritoneum.....	1 wart hog.	1 bird.
Stomach and intestines....	1 opossum.	2 beavers.
	1 Bengalese cat.	2 iguana.
	1 ferret.	1 porcupine.
Subcutaneous tissue.....	1 snake.	
Tape worms.....	1 bird.	2 coati.
	2 raccoons.	1 cat.
	1 kinkajou.	

*Pleura.*

Pleurisy.....	2 monkeys.	1 gray fox.
	1 squirrel.	1 bird.
Traumatism.....	10 birds.	3 elk.
	2 beavers.	1 capromyos.
	1 gray fox.	1 antelope.
	1 wild turkey.	1 currassow.
	1 kangaroo.	
Tuberculosis.....	39 monkeys.*	14 lemurs.†
	25 birds.	2 civets.
	2 foxes.	1 bison.
	5 elk.	* 1 agouti.

\* Of these, 21 monkeys were of the old stock and 18 were new arrivals and were not placed in the collection.

† Of these, 14 lemurs were of the old stock.

*Tumors.*

Adenoma, ducts of pancreas	1 corsac fox.
Angioma of liver.....	1 wood rat.
Angioma of lung.....	1 bird.
Fibroma of feet.....	3 birds.
Myxoma of lung.....	1 capybara.
Sarcoma of thyroid region...	2 prairie wolves.

*Miscellaneous.*

Abscess of chest wall.....	1 bird.
Abscess of jaw.....	1 raccoon.
Abscess of nose.....	1 kangaroo.
Abscess of scalp.....	1 ichneumon.
Abscess of joint .....	1 kangaroo.

Adenitis.....	1 beaver.	1 porcupine.
	2 monkeys.	
Anæmia.....	1 kinkajou.	1 bird.
Conjunctivitis.....	1 gray fox.	2 coati.
	1 bird.	
General pyæmia.....	1 beaver.	
Gout.....	2 snakes.	1 bird.
Hydro-salpinx.....	1 bison.	
Jaundice.....	1 lemur.	1 marmoset.
	1 bird.	
Laryngitis (specific).....	1 bird.	
Malnutrition.....	6 birds.	1 raccoon-like dog.
	1 kangaroo.	1 iguana.
Malposition of viscera.....	1 wallaby.	
Mange.....	1 coati.	
Mould infections.....	8 birds.	2 iguana.
Nasal catarrh.....	1 bird.	
Noma.....	1 monkey.	
Œdema, general.....	1 monkey.	
Œdema, lungs.....	1 bird.	1 common boa.
	1 carpet snake.	1 iguana.
Œdema, subcutaneous tissue	1 carpet snake.	
Old age.....	2 birds.	
Ovaries cysts.....	1 bison.	
Rachitis.....	2 monkeys	1 lemur.
"Sore mouth".....	1 carpet snake.	4 iguana.
	3 boas.	
Not determined.....	35 birds.	1 monkey.
	1 marmoset.	1 prairie wolf
	1 coypu.	2 tayra.
	2 chipmunks.	2 squirrels
	2 hog deers.	1 elk.
	1 gazelle.	1 dingo.
	1 antelope.	1 wood rat.
	2 porcupines.	3 fruit bats.
	1 iguana.	1 terrapin.
	1 carpet snake.	
Post-mortem changes.....	29 birds.	1 tiger.
	1 wood rat.	1 porcupine.
	1 prairie wolf.	1 opossum.
	1 deer.	2 fruit bats.
	1 Gila monster.	

C. Y. WHITE,  
Pathologist.

LIST OF ADDITIONS TO THE MENAGERIE DURING THE YEAR  
ENDING FEBRUARY 28TH, 1906.

1905.

- March 2. 1 gray fox (♂) purchased.
- " 3. 2 American white pelicans (♂ and ♀) purchased.
- " 7. 1 llama (♂) born in the Gardens.
- " 8. 2 Swinhoe's pheasants (♂ and ♀) purchased.
- " 9. 1 green monkey (♀), 1 grivet monkey (♂), 1 long-armed baboon (♂), 2 Himalayan thar (♂ and ♀), 1 antilopine kangaroo (♂), 2 bridled wallabys (♂ and ♀), 2 white-winged doves, 2 black-capped titmice, 1 conical eryx, and 4 Reeves terrapin purchased.
- " 10. 1 Valeria's snake presented by Clarence B. Moore, Philadelphia.
- " 11. 1 gray wood rat born in the Gardens.
- " 13. 1 alligator presented by Mrs. Smith, Germantown, Philadelphia.
- " 18. 1 ferret presented by John Kenworthy, Philadelphia. 1 rough-legged buzzard presented by Miss Florence M. Hayes, Philadelphia. 1 turtle dove presented by Master Claude Wivel, Philadelphia. 1 painted terrapin presented by Miss Dorsey, Philadelphia.
- " 19. 1 hog deer (♀) born in the Gardens.
- " 20. 8 spotted newts purchased.
- " 22. 1 short-eared owl presented by Benjamin Cline, Philadelphia.
- " 23. 10 garter snakes, 1 common water snake, and 2 De Kay's snakes purchased. 1 alligator presented by H. C. Lucas, Philadelphia.
- " 24. 1 screech owl presented by Oliver Moore Porter, Philadelphia.
- " 25. 1 alligator presented by John D. Halligan, Philadelphia. 1 canary presented by Mrs. Leeson, Philadelphia.
- " 27. 1 raccoon (♀) presented by A. Chevalier, Jr., Philadelphia.
- " 28. 2 alligators presented by Master Walter Murray, Philadelphia.
- " 29. 2 Bengal tigers (♂ and ♀), 1 pig-tailed monkey (♂), 2 sooty mangabeys (♂ and ♀), and 2 black and white geese (♂ and ♀) purchased.
- " 30. 1 Levaillant's amazon presented by Charles Krauss, Philadelphia. 2 diamond-backed terrapin presented by Thomas Dickinson, Philadelphia.
- " 31. 2 gray wolves born in the Gardens.
- April 1. 1 short-eared owl presented by Master Malcolm Loewergross, Philadelphia. 1 hybrid zebu (♂) presented by Mrs. John Wanamaker, Philadelphia.
- " 3. 1 brown cebus presented by Harry Marks, Philadelphia.
- " 4. 4 gray wolves born in the Gardens.
- " 5. 3 undulated grass parakeets presented by Mrs. M. B. Mutchmore, Philadelphia.
- " 8. 1 alligator presented by Master Leon Ray, Philadelphia.
- " 10. 1 skunk, 2 prairie dogs, 1 red-tailed buzzard, and 3 menobanchus presented by Dr. Edw. T. Reichert, Philadelphia. 2 alligators presented by Mrs. B. Harrar, Philadelphia.
- " 11. 1 bridled wallaby born in the Gardens.
- " 12. 1 occipital blue pie, 1 silver-eared liothrix, 1 common water snake, and 6 spotted terrapin purchased.
- " 13. 1 red-shouldered buzzard presented by William Busch, Philadelphia.

- April 14. 2 Prevost's squirrels, 1 Jelerang squirrel, 2 white-breasted finches, 2 red-tailed finches, 2 banded grass finches, 2 long-tailed grass finches, 1 vinaceous fire finch, and 11 rainbow snakes purchased.
- " 15. 1 black snake presented by F. W. Wood, Philadelphia.
- " 16. 4 red salamanders presented by Master Charles Ritter, Philadelphia.
- " 17. 2 alligators presented by Ludwig S. Filbert, Philadelphia.
- " 19. 2 alligators presented by Master and Miss Dallett, Philadelphia. 2 silver-blue tanagers and 2 Everett's parakeets purchased.
- " 20. 1 Javan hill mynah, 1 occipital blue pie, 2 white-throated jay thrushes, 1 rose-colored parrot, 2 yellow-headed mynahs, 1 orange-winged amazon, and 1 fence lizard purchased.
- " 21. 4 gray-headed love birds purchased.
- " 22. 1 brush turkey purchased.
- " 24. 5 prairie wolves born in the Gardens. 1 Pacific snowbird, 2 house finches, and 2 Strachey's buntings purchased. 3 alligators presented by the Misses Mackay-Smith, Philadelphia. 1 alligator presented by Mrs. H. E. Dickinson, Primos, Pa.
- " 28. 1 starling presented by G. Muller, Philadelphia. 1 alligator presented by Mrs. Norris S. Barrett, Philadelphia. 1 spotted terrapin presented by L. Macauley.
- " 29. 1 canary, 1 grenadier weaver presented by G. Mueller, Philadelphia. 1 alligator presented by J. L. Gulherman, Philadelphia. 1 garter snake presented by Master Charles E. Ritter, Philadelphia.
- " 30. 4 silver pheasants born in the Gardens. 2 alligators presented by R. G. Oellers, Jr., Philadelphia. 2 spotted terrapin, 1 striated terrapin presented by Zopher Howell, Philadelphia. 1 water snake presented by Perry A. Wiley, Philadelphia.
- May 1. 1 diamond rattlesnake, 1 ground rattlesnake, 2 pine snakes, and 1 hog-nosed snake purchased. 1 cardinal redbird presented by Miss Sabina Loeb, Philadelphia. 1 alligator presented by David W. Stull, Philadelphia.
- " 4. 1 alligator presented by E. C. Myers, Philadelphia.
- " 5. 1 alligator presented by John F. Givin, Philadelphia.
- " 6. 6 alligators presented by John W. Etsweiler, Philadelphia.
- " 7. 1 alligator presented by Miss Mary Harrison, Philadelphia.
- " 8. 2 secretary vultures, 1 victoria crowned pigeon, 2 red-beaked weavers, and 4 European tree frogs purchased. 1 Indian antelope born in the Gardens.
- " 9. 1 Nilgiri monkey received in exchange.
- " 10. 1 common macaque monkey and 2 peafowl presented by Louis Burk, Philadelphia.
- " 11. 2 mallards born in the Gardens.
- " 12. 4 screech owls presented by Frederick Stucke, Philadelphia. 1 white-haired porcupine purchased. 11 Indian water snakes, 3 cerberus snakes, and 3 yellow-bellied snakes purchased.
- " 15. 2 dingoes (♂ and ♀) purchased.
- " 16. 1 red howler purchased.
- " 17. 1 rough-headed tree-frog presented by T. J. Downs, Philadelphia.
- " 18. 1 Rocky Mountain garter snake, 2 Butler's garter snakes, 4 elegant garter snakes, 1 California pine snake, 1 California whip snake,



- 1 Pacific ring-necked snake, and 2 giant toads presented by R. L. Ditmars, New York Zoological Society. 1 keeled green snake, 1 hog-nosed snake, 1 black snake, and 1 water snake presented by H. A. Walters, Philadelphia. 1 elk (♂) born in the Gardens.
- May 19. 1 black bear cub (♂) presented by Joseph Berrier, Harrisburg, Pa. 1 raccoon presented by B. T. Keyser, Norristown, Pa. 2 white-breasted finches and 2 nonpareils purchased. 1 meadow mouse, 1 Dekay's snake, and 24 spotted salamanders presented by Charles E. Ritter, Philadelphia. 3 alligators presented by Miss Riley, Philadelphia. 1 purple porphyrio presented by the Academy of Natural Sciences, Philadelphia
- " 20. 1 milk snake presented by Jesse Roberts, Philadelphia.
- " 21. 2 prairie wolves born in the Gardens, 4 wave-lined lizards presented by H. A. Walters, Philadelphia.
- " 22. 3 Say's rattlesnakes purchased. 1 keeled green snake presented by Jacob Hope, Philadelphia.
- " 23. 2 black snakes, 1 Emory's snake, 4 hog-nosed snakes, 2 whip snakes, 1 Say's king snake, 1 LeConte's snake, 1 Graham's water snake purchased. 1 pine snake presented by William Murphy, Philadelphia.
- " 24. 2 common iguanas purchased.
- " 25. 2 white-haired porcupines purchased. 4 geographic terrapin, 4 margined painted terrapin, 2 pine snakes, 2 corn snakes, 2 black snakes, 6 garter snakes, and 2 western diamond rattlesnakes presented by R. L. Ditmars, New York Zoological Society. 1 milk snake presented by William Sweeney, Philadelphia. 2 alligators presented by Dr. H. B. Cox, Philadelphia.
- " 26. 1 red deer (♀) born in the Gardens. 1 alligator presented by J. Daniel Rogan, Philadelphia. 1 alligator presented by Master T. C. Colket, Philadelphia.
- " 27. 1 banded rattlesnake, 1 red-sided garter snake, and 2 reddish milk snakes purchased. 1 red-sided garter snake presented by Jacob Hope, Philadelphia. 1 striated terrapin presented by J. D. Pierce, Philadelphia. 1 alligator presented by Edward Ruhe, Philadelphia. 7 banded water snakes, 2 common water snakes, 10 brown water snakes, 1 water moccasin, 3 hog-nosed snakes, 1 king snake, 1 black snake, 1 garter snake, and 1 spotted mountain black snake purchased.
- " 29. 1 Swinhoe's pheasant, 2 Amherst's pheasants, 2 western diamond rattlesnakes, 2 chicken snakes, 2 indigo snakes, 1 king snake, 2 Say's king snakes, 1 pine snake, 10 Say's pine snakes, 9 whip snakes, 6 Marcy's garter snakes, 2 Le Conte's snakes, 1 Holbrook's water snake, 1 western brook frog, 1 Couch's spade-foot toad, and 1 Cope's spade-foot toad purchased.
- " 30. 7 prairie dogs born in the Gardens. 1 common water snake presented by F. W. Dick, Philadelphia.
- June 1. 1 yellow-throated parrakeet presented by Mrs. J. B. Kramer, Jr., Philadelphia. 2 alligators presented by Harry Maier, Bridgeton, N. J. 2 ocellated sand skinks, 2 Moorish geckos, 2 European glass snakes, and 1 blue wall lizard purchased.

- June 2. 1 mealy Amazon presented by Mrs. G. Brown, Philadelphia, 8 black snakes, 1 keeled green snake, 6 hog-nosed snakes, 6 king snakes, 1 water moccasin, 1 Sacken's garter snake, 1 corn snake, and 2 banded water snakes purchased.
- " 3. 2 Gouldian grass finches purchased. 1 alligator presented by T. Dawson Cooper, Media, Pa.
- " 5. 1 opossum presented by Dr. E. T. Reichert, Philadelphia, 3 indigo snakes, 2 king snakes, 1 Say's king snake, and 1 pine snake purchased.
- " 6. 1 fallow deer born in the Gardens. 1 box tortoise presented by George Coleman, Philadelphia. 1 Brazilian ocelot, 2 black-backed tree porcupines, 1 weeper capucin, 1 ariel toucan, 1 Cuvier's toucan, 2 crested curassows, 1 razor-billed curassow, 2 Brazilian tree ducks, 3 muscovy ducks, and 1 rufous-breasted tinamou presented by Harry Nuding, Para, Brazil.
- " 7. 2 star-nosed moles presented by Robert L. Campbell, Philadelphia. 2 summer ducks born in the Gardens.
- " 8. 1 West Indian boa, 1 ground rattlesnake, 1 glass snake, 1 keel green snake, 1 indigo snake, 1 pine snake, and 1 whip snake purchased.
- " 9. 1 Gray's paradoxure, 1 squirrel monkey, 2 wood ibis, 1 golden-naped amazon, and 6 horned lizards purchased. 2 alligators presented by Mrs. D. G. McNichol, Philadelphia.
- " 10. 1 fallow deer and 1 Virginia deer born in the Gardens. 1 woodchuck presented by George E. Kean, Mantua, N. J. 10 spotted newts presented by H. Crawley, Wyncote, Pa. 1 diamond rattlesnake, 1 chicken snake, 1 hog-nosed snake, 1 king snake, 1 pine snake, and 1 whip snake purchased.
- " 11. 1 common water snake, 1 striped water snake, and 1 mud turtle presented by N. A. Zool, Philadelphia.
- " 12. 1 wild turkey born in the Gardens.
- " 13. 2 black snakes, 1 common hog-nosed snake, and 1 Muhlenberg's terrapin presented by H. A. Walters, Philadelphia.
- " 15. 1 gray ichneumon and 1 Patagonian conure purchased. 1 lesser sulphur-crested cockatoo presented by Messrs. Cugley & Mullin, Philadelphia.
- " 16. 1 bald eagle purchased.
- " 17. 1 Barbary turtle dove presented by Mrs. Mary J. Carson, Philadelphia. 1 loggerhead turtle presented by Andrew A. Scholl, Philadelphia.
- " 19. 1 Japanese deer (♀) and 1 elk (♀) born in the Gardens.
- " 20. 2 gray geese purchased. 3 Butler's garter snakes presented by R. L. Ditmars, New York. 1 common garter snake presented by John Haas, Philadelphia. 1 red salamander presented by John Janssen, Philadelphia.
- " 21. 2 black apes purchased. 1 Levallant's amazon presented by Mrs. J. E. Reed, Philadelphia.
- " 22. 1 white-tailed gnu (♂) and 3 raccoon-like dogs born in the Gardens. 6 ground rattlesnakes purchased.
- " 24. 1 alligator presented by Miss Helen F. Bell, Bristol, Pa.
- " 25. 1 water moccasin, 3 ground rattlesnakes, 2 harlequin snakes, 5 rainbow snakes, and 2 scarlet snakes purchased. 2 alligators presented by the Masters Maresch, Philadelphia.

- June 27. 3 Say's rattlesnakes, 1 yellow-bellied black snake, 5 Marcy's garter snakes, 1 Say's king snake, 6 Say's pine snakes, 2 western sand snakes, and 1 whip snake purchased.
- " 28. 1 pine snake presented by William Murphy, Philadelphia.
- " 30. 1 mountain black snake presented by Tish Van Scoyoe, Tyrone, Pa.
- July 5. 1 chipmunk presented by Mrs. E. Hewitt, Philadelphia.
- " 6. 1 purple gallinule presented by Miss Laura Thorp, Philadelphia.
- " 7. 1 yellow-fronted amazon presented by Mrs. E. Rennerd, Philadelphia.
- " 8. 18 common garter snakes born in the Gardens.
- " 10. 1 sparrow hawk presented by H. M. Freas, Philadelphia.
- " 12. 2 white-fronted amazons, 2 crimson-winged waxbills, and 2 black iguanas purchased.
- " 13. 1 common macaque purchased.
- " 15. 1 American bison (♂) received in exchange from the New York Zoological Society. 2 Geoffrey's marmosets purchased.
- " 16. 1 screech owl presented by Charles Binder, Philadelphia.
- " 18. 6 red-headed ducks born in the Gardens.
- " 21. 1 pine snake purchased.
- " 22. 6 barn owls presented by Daniel Bailey, Philadelphia.
- " 23. 21 Marcy's garter snakes born in the Gardens.
- " 25. 1 red-tailed buzzard presented by W. E. Ringee, Philadelphia. 1 alligator presented by Edward Ellis, Philadelphia.
- " 26. 2 mallard ducks born in the Gardens. 1 snapping terrapin purchased. 1 alligator presented by Master Clarence R. Peterson, Jr., Philadelphia. 1 alligator presented by George H. Einwechter, Philadelphia.
- " 27. 1 Brazilian tapir (♂) born in the Gardens. 3 Harris buzzards, 1 white-tailed hawk, 4 black-throated lizards, and 4 rough-headed tree frogs purchased.
- " 29. 1 banded rattlesnake presented. 2 Barbary apes purchased.
- Aug. 1. 1 red-tailed buzzard presented by William Killian, Philadelphia. 5 black ducks born in the Gardens.
- " 3. 4 demoiselle cranes purchased. 1 De Kay's snake presented by George Coleman, Philadelphia. 1 alligator presented by George C. Wilson, Philadelphia. 1 alligator presented by Charles A. Lissegang, Philadelphia.
- " 6. 1 gray fox purchased.
- " 7. 5 European rabbits born in the Gardens.
- " 8. 1 banded rattlesnake purchased. 4 gray foxes presented by Otto Korn, Petersburg, Va.
- " 9. 9 ground rattlesnakes born in the Gardens.
- " 10. 2 capybaras, 3 Cayenne rail, 1 red-breasted guan, 1 common trumpeter, and 2 boa constrictors presented by Harry Nuding, Para, Brazil.
- " 11. 3 Say's rattlesnakes presented by Charles Turner Sands, Philadelphia. 1 pine snake presented by Warrington & Co., Philadelphia. 1 raccoon presented by Alvin Pyle, West Chester, Pa.
- " 12. 2 bear cubs (♂ and ♀) from Admiralty Island, Alaska, purchased.
- " 13. 1 muskrat, 5 common garter snakes, and 11 common water snakes presented by D. H. March, Pottstown, Pa.
- " 14. 2 black-footed ferrets purchased. 1 Indian antelope born in the Gardens.

- Aug. 15. 1 Dufresne's amazon, 2 copperheads purchased.
- " 17. 2 red monkeys, 1 Japanese macaque, 1 yellow baboon, 1 anubis baboon, 2 black spider monkeys, 2 violet-necked lorys, 2 white-fronted amazons, and 1 Indian python purchased.
- " 18. 1 entellus monkey purchased. 1 painted terrapin exchanged. 1 bull frog presented by C. E. Ritter, Philadelphia.
- " 19. 1 lion-tailed macaque purchased.
- " 20. 1 box tortoise presented by Miss Nellie Johnson, Philadelphia.
- " 24. 4 rosehill parakeets and 3 paradise whydah birds purchased. 1 pine snake presented by H. A. Walters, Philadelphia.
- " 26. 3 banded rattlesnakes purchased.
- " 31. 11 Say's rattlesnakes born in the Gardens. 1 box tortoise presented by Master Francis McCoart, Philadelphia. 1 bridled weasel, 2 reddish egrets, and 2 white-tailed hawks purchased.
- Sept. 2. 1 elk and 4 European rabbits born in the Gardens.
- " 4. 2 Java sparrows presented by Louis B. Block, Philadelphia. 2 spotted terrapins presented by Master Reuben Hartman, Philadelphia.
- " 6. 2 dorcas gazelles (♂ and ♀) presented by Dr. Henry C. Chapman, Philadelphia. 1 smooth green snake and 2 garter snakes presented by John B. Lowry, Philadelphia. 1 box tortoise presented by Miss Margaret M. Walker, Philadelphia. 9 tigrine salamanders and 6 rough-headed tree frogs purchased.
- " 8. 1 American elk (♂) born in the Gardens. 1 Levaillant's amazon presented by Mrs. Ella Robinson, Philadelphia.
- " 9. 1 wild cat (♀) presented by E. M. Grumbine, Hanover, Pa.
- " 13. 1 white-nosed coati, 1 unadorned amazon, 2 paradise whydah birds, and 2 pin-tailed whydah birds, purchased.
- " 14. 2 pig-tailed macaques, 2 rhesus macaques, 1 white-nosed coati, and 4 brush-tailed rock kangaroos, 1 Swanison's buzzard purchased. 1 barn owl presented by L. R. Ashhurst, Jr., Philadelphia.
- " 18. 2 ganga cockatoos (♂ and ♀) received in exchange.
- " 19. 1 Dekay's snake presented by Charles E. Ritter, Philadelphia. 2 alligators presented by A. B. Cheyney, Media, Pa., 4 hell-benders purchased.
- " 21. 1 tapir (♂) presented by Harry Nuding, Para, Brazil, 1 grivet monkey, 1 red monkey, 1 white-throated monkey, 2 sooby mangabeys, 1 rhesus macaque, 1 anubis baboon, 2 white-throated cebus, 1 beech martin, 1 red-fronted amazon, and 1 yellow-fronted amazon purchased. 2 alligators presented by Buchborn and Reynolds, Camden, N. J.
- " 22. 4 black lemurs purchased. 1 alligator presented by A. R. Jones, Philadelphia.
- " 23. 1 red monkey, and 1 lesser white-nosed monkey, 1 New York weasel purchased. 1 raccoon presented by Mitchell Harrison, Philadelphia.
- " 26. 1 raccoon presented by Robert Boyd, Philadelphia.
- " 30. 1 American green lizard presented by Harry Heidenwag, Philadelphia.
- Oct. 2. 1 bald eagle purchased.
- " 3. 1 Japanese macaque and 2 brush-tailed rock kangaroos purchased.



- Oct. 4. 1 wave-lined lizard presented by David Lane Hoffman, Philadelphia.
- " 5. 2 alligators presented by William J. Armstrong, Philadelphia. 1 puma purchased.
- " 7. 4 garter snakes presented by William Nixon, Philadelphia. 1 painter terrapin and 4 spotted terrapin presented.
- " 8. 1 alligator presented by Mrs. A. C. Hoffman, Philadelphia.
- " 11. 1 eagle presented by A. A. Gracey, Philadelphia.
- " 12. 1 long-tailed conure presented by A. R. Seiler, Philadelphia. 1 DeKay's snake, 2 smooth green snakes, and 1 common horned lizard presented by Miss Mabel Buck, Philadelphia.
- " 13. 1 alligator and 4 American green lizards presented by Thomas Birkbeck, Freeland, Pa.
- " 14. 1 green monkey, 2 drills, 2 anubis baboons, and 1 Azara's fox purchased. 1 woodchuck presented by Joseph A. Pidgeon, Philadelphia.
- " 21. 1 reed bird presented by Dr. H. C. Masland, Philadelphia. 1 common rabbit presented by Master Charles Drew, Philadelphia. 1 water moccasin, 2 ground rattlesnakes, 1 glass snake, 4 hog-nosed snakes, 5 indigo snakes, 1 king snake, 3 pine snakes, and 1 whip snake.
- " 25. 1 marsh hawk presented by A. M. Davis, Philadelphia. 1 alligator presented by Fire Engine Company No. 33, Philadelphia.
- " 28. 1 puma purchased. 1 alligator presented by Richard Watson, Philadelphia. 1 box tortoise presented by Mrs. Della Rine, Philadelphia.
- " 29. 1 weeper-cebus presented by Mrs. H. F. W. Arnold, Chestnut Hill, Philadelphia.
- Nov. 2. 2 wood ducks presented by Dr. Horace Howard Furness, Wallingford, Pa. 1 red-tailed buzzard presented by Howard S. Trivelpiece, Shickshinny, Pa. 2 red-bellied snakes purchased.
- " 4. 4 beavers purchased. 1 alligator presented by Mrs. J. Foster, Philadelphia. 1 Hernandez horned lizard presented by Howard K. Cook, Camden, N. J.
- " 5. 1 black snake and 1 hog-nosed snake presented by Clarence Narvell, Philadelphia.
- " 8. 1 goldfinch presented by James Monaghan, Jr., Philadelphia.
- " 10. 7 Marcy's garter snakes, 2 Say's king snakes, 6 Say's pine snakes, and 1 whip snake purchased.
- " 11. 1 gray-cheeked thrush presented by Miss S. S. Mertz, Philadelphia.
- " 12. 2 painted terrapin presented by C. C. Febiger, Philadelphia. 1 alligator presented by Raymond Epp, Philadelphia.
- " 20. 2 red-eared terrapin purchased.
- " 24. 1 great-horned owl presented by Allan Dilks, Glassboro, N. J.
- " 26. 1 alligator presented by C. F. Robinson, Philadelphia.
- " 27. 1 snowy owl purchased.
- " 29. 2 rhesus macaques, 2 sooty mangabeys, 3 grivet monkeys, 4 Australian waxbills, 3 chestnut-breasted finches, and 2 red-sided titmice purchased. 2 Pretre's tanagers, 2 white-browed amazons, 1 orange-winged amazon, and 2 American crocodiles purchased.
- Dec. 1. 3 diamond-backed terrapin presented by Arthur Sharkey, Philadelphia.



- cc. 8. 1 rhesus macaque presented by Mrs. C. H. Behrens, Philadelphia.
- " 9. 1 barn owl presented by Miss Elizabeth and Master Brinton Thompson, Philadelphia. 12 Marcy's garter-snakes born in the Gardens.
- " 18. 2 hog deer born in the Gardens.
- " 23. 1 Indian antelope born in the Gardens.
- " 27. 1 wild turkey presented by Messrs. Class & Nachod, Philadelphia.
- " 28. 1 roseate spoonbill purchased.
- " 31. 2 Canada lynx purchased.
- 1906.
- Jan. 3. 1 snowy owl purchased.
- " 4. 2 indigo snakes, 1 king snake, and 1 pine snake purchased.
- " 5. 1 red-tailed buzzard presented by Thomas Condon, Philadelphia.
- " 16. 2 gray squirrels presented by Mrs. Brown, Philadelphia.
- " 17. 1 Geoffrey's marmoset presented by Miss M. Noble, Chestnut Hill, Philadelphia. 4 Western diamond rattlesnakes, 3 indigo snakes, 3 Say's pine snakes, 5 whip snakes, 1 yellow-bellied black snake, and 1 Texas whip snake purchased.
- " 19. 1 turtle dove presented by Mrs. Yonkers, Philadelphia.
- " 23. 1 raccoon presented by Clarkson Clothier, Bryn Mawr, Pa. 3 Cuban trogons, 2 Cuban redwings, and 2 purple gallinules purchased.
- " 26. 1 American merganser presented by D. W. Herbert, Philadelphia.
- " 31. 2 pumas purchased.
- Feb. 2. 2 diamond rattlesnakes purchased. 1 spotted terrapin presented by F. W. Cressey, Philadelphia. 1 alligator presented by Miss Ethel Huhn, Philadelphia.
- " 3. 2 Moorish geckos presented by Miss Ethel Rhoads, Gloucester City, N. J.
- " 5. 1 snapping terrapin presented by Master Earl Preston Baltz, Philadelphia.
- " 6. 1 dorcas gazelle born in the Gardens.
- " 13. 7 dingos born in the Gardens.
- " 16. 1 rhesus macaque presented by Mrs. Annie M. Smith, Philadelphia.
- " 19. 1 diamond rattlesnake, 1 ground rattlesnake, 5 water moccasins, 2 indigo snakes, 1 black snake, 1 chicken snake, and 1 king snake purchased.
- " 21. 1 eyra presented by James Spear, Jr., Philadelphia. 1 common water snake presented by James Freyer, Philadelphia.
- " 22. 1 Canada porcupine, 2 ring-tailed lemurs, and 1 Kittiwake gull purchased.
- " 23. 1 Indian antelope born in the Gardens. 1 western diamond rattlesnake and 1 Holbrook's water snake presented by James Spear, Jr., Philadelphia.













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**Date Due**

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